

1/50

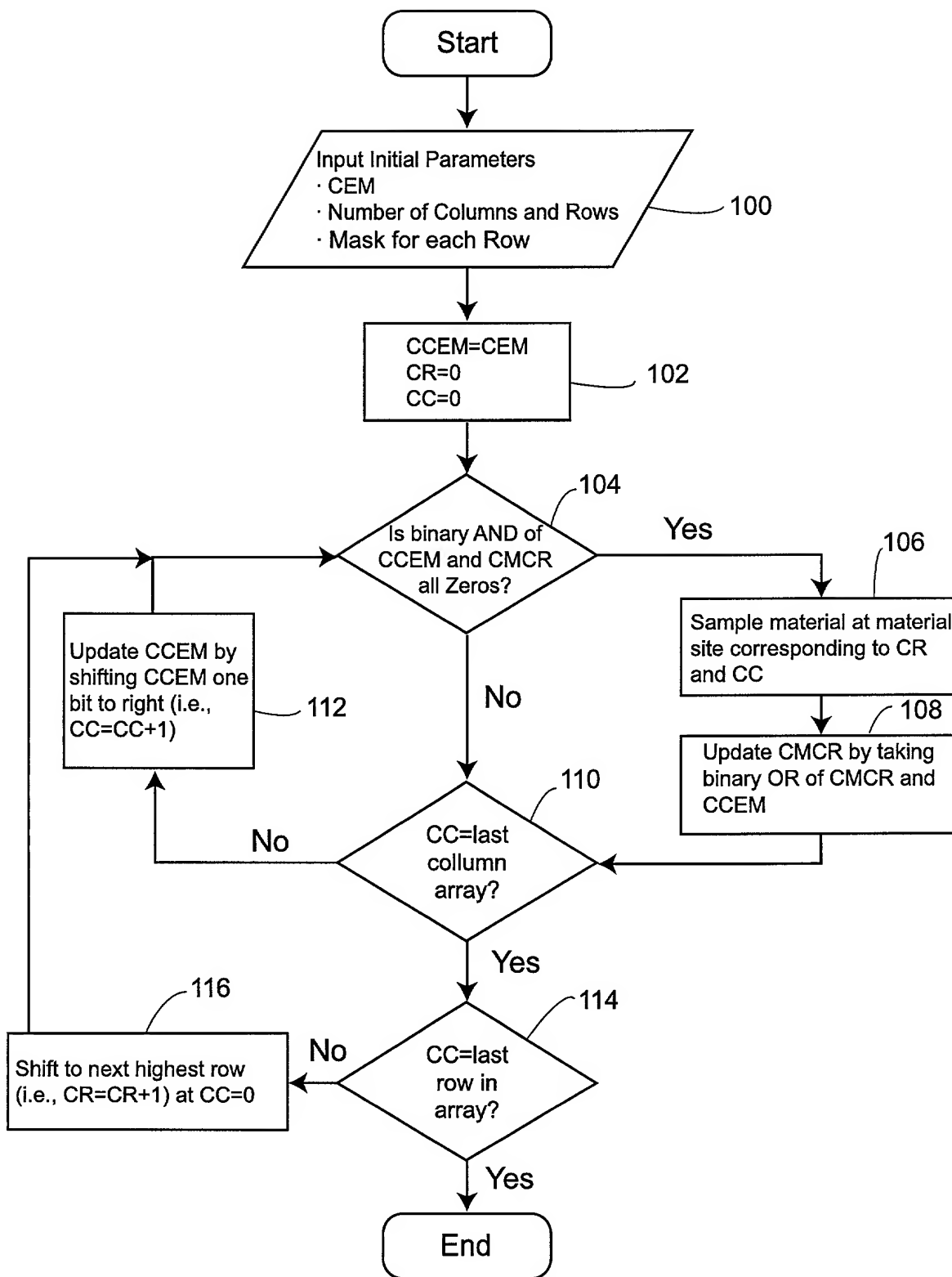


Fig. 1

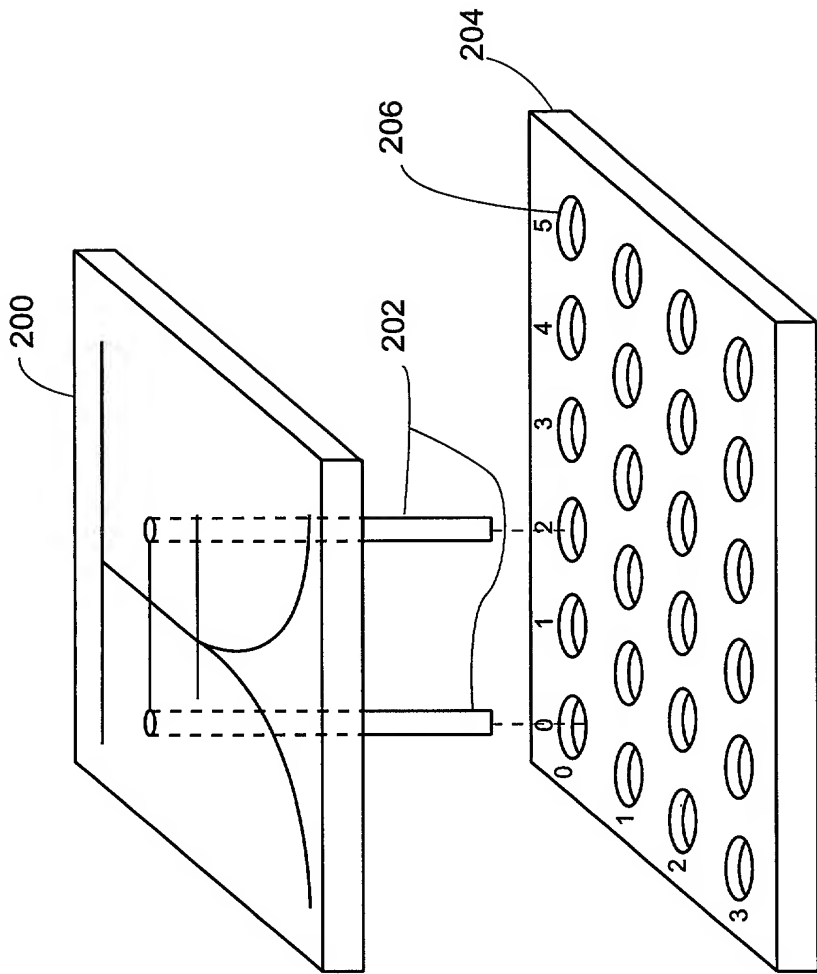


Fig. 2

	0	1	2	3	4	5
0	0	0	0	0	1	1
1	1	0	0	0	0	1
2	1	0	0	0	0	1
3	1	1	0	0	0	0

A

	0	1	2	3	4	5
0	1	1	1	1	1	1
1	1	0	0	0	0	1
2	1	0	0	0	0	1
3	1	1	0	0	0	0

B

	0	1	2	3	4	5
0	1	1	1	1	1	1
1	1	1	1	1	1	1
2	1	0	0	0	0	1
3	1	1	0	0	0	0

C

	0	1	2	3	4	5
0	1	1	1	1	1	1
1	1	1	1	1	1	1
2	1	1	1	1	1	1
3	1	1	0	0	0	0

D

	0	1	2	3	4	5
0	1	1	1	1	1	1
1	1	1	1	1	1	1
2	1	1	1	1	1	1
3	1	1	1	1	1	1

E

Fig. 3

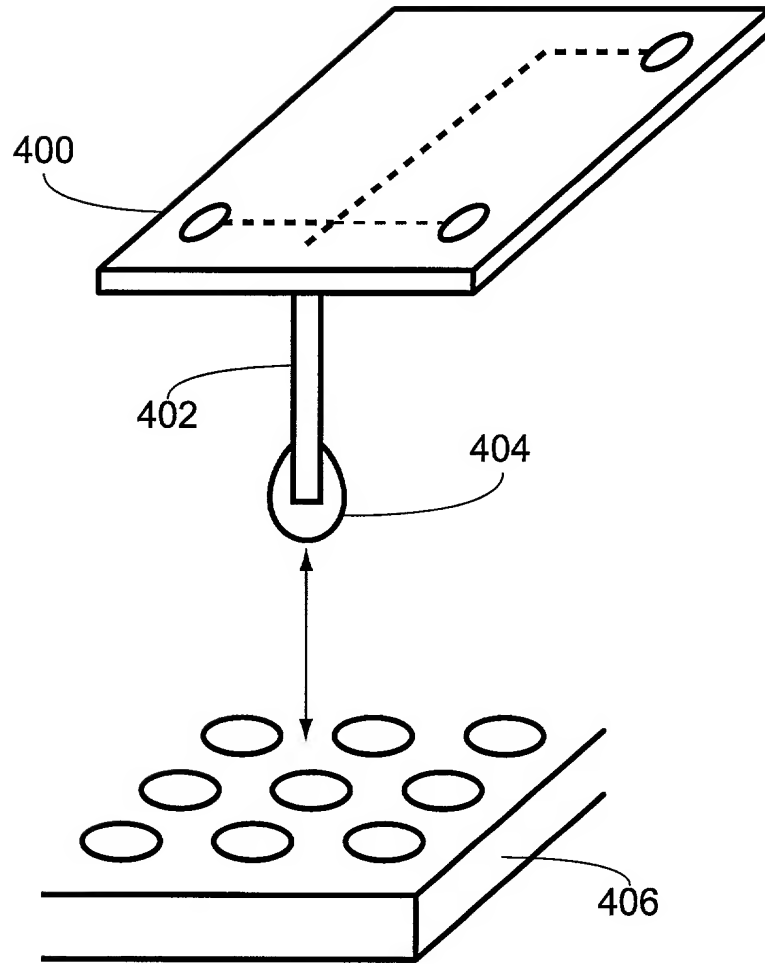


Fig. 4

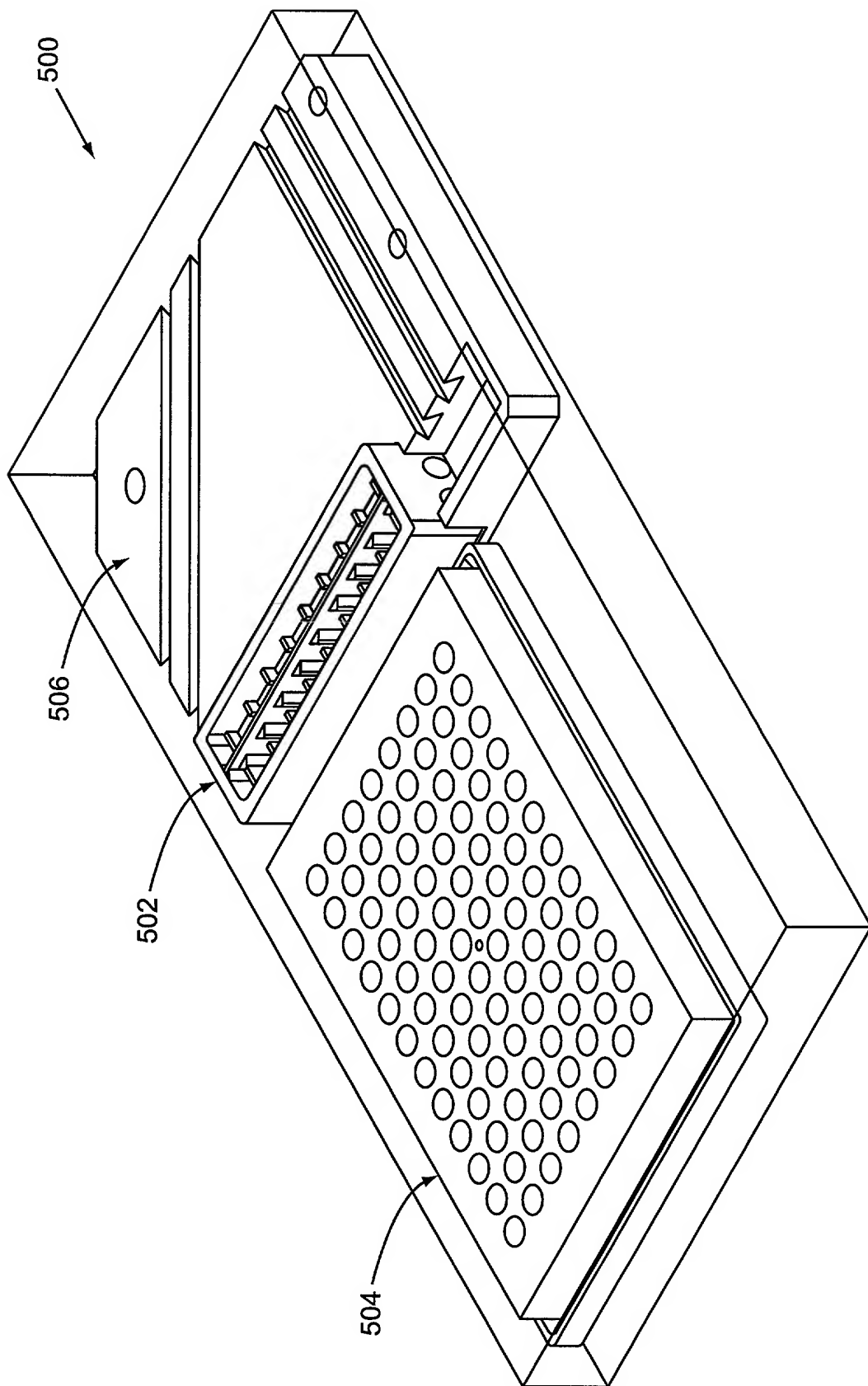


Fig. 5

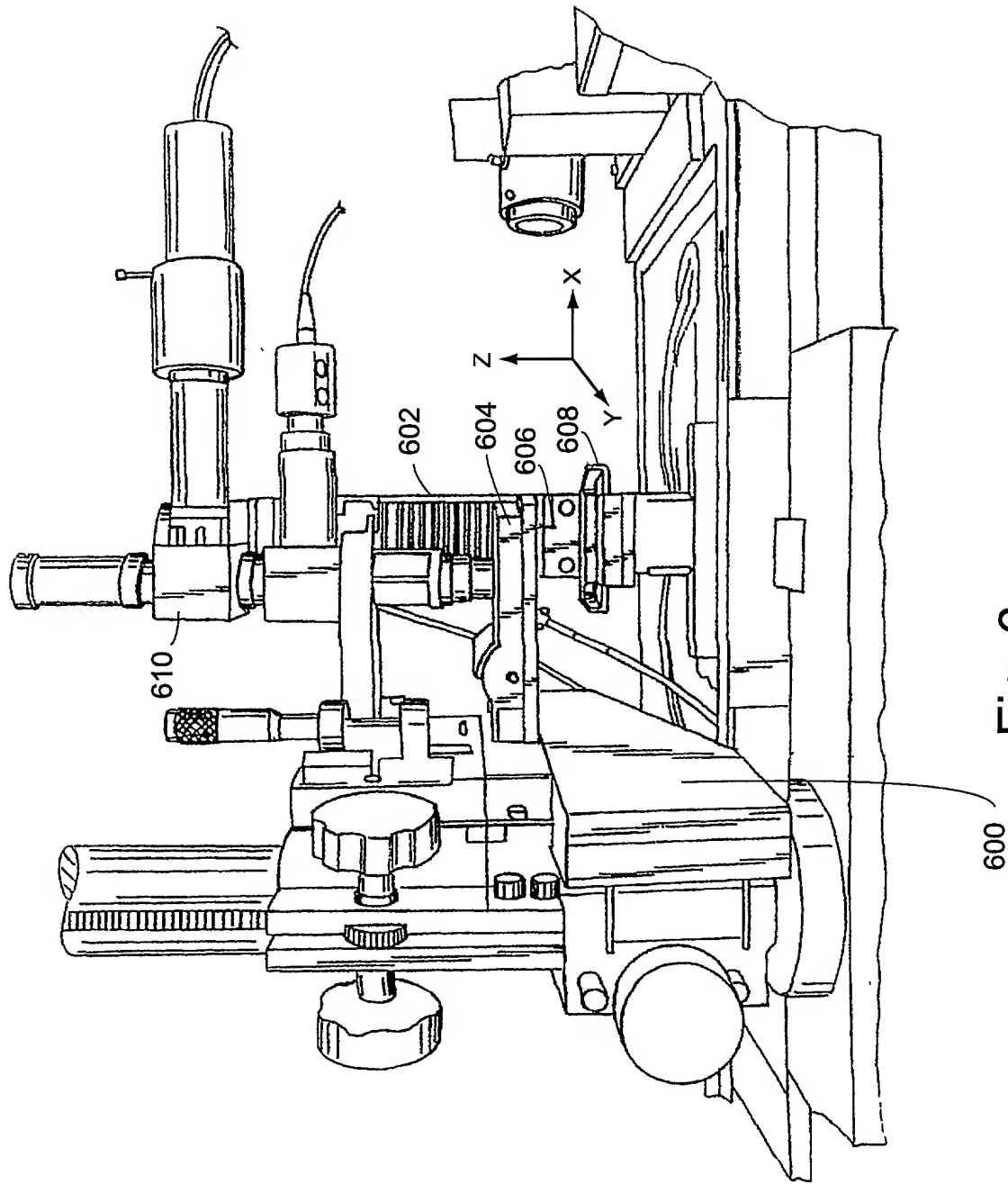


Fig. 6

7/50

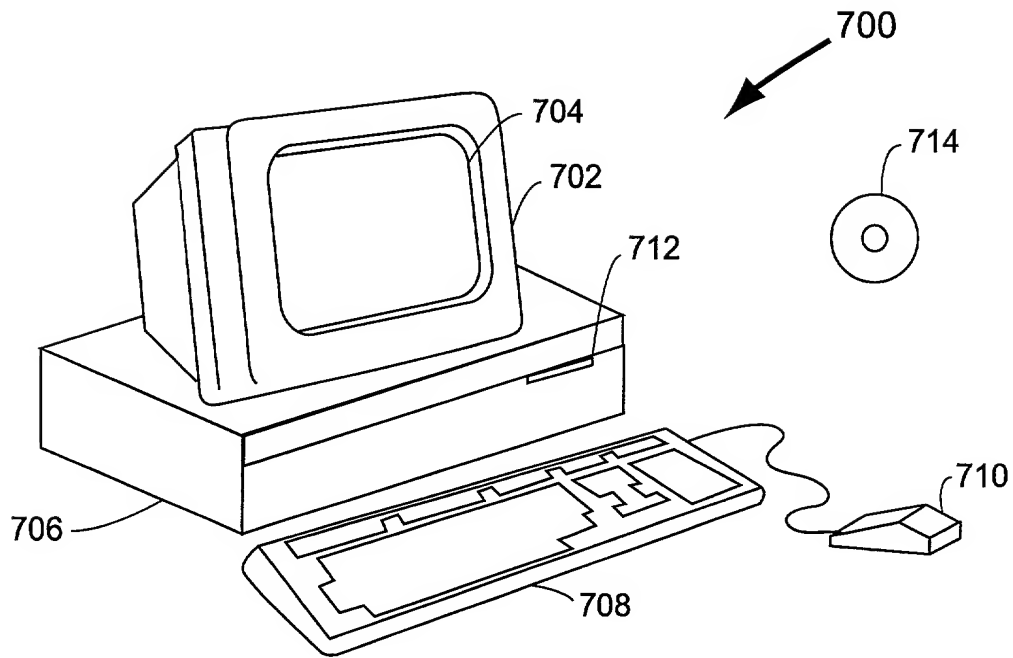


Fig. 7

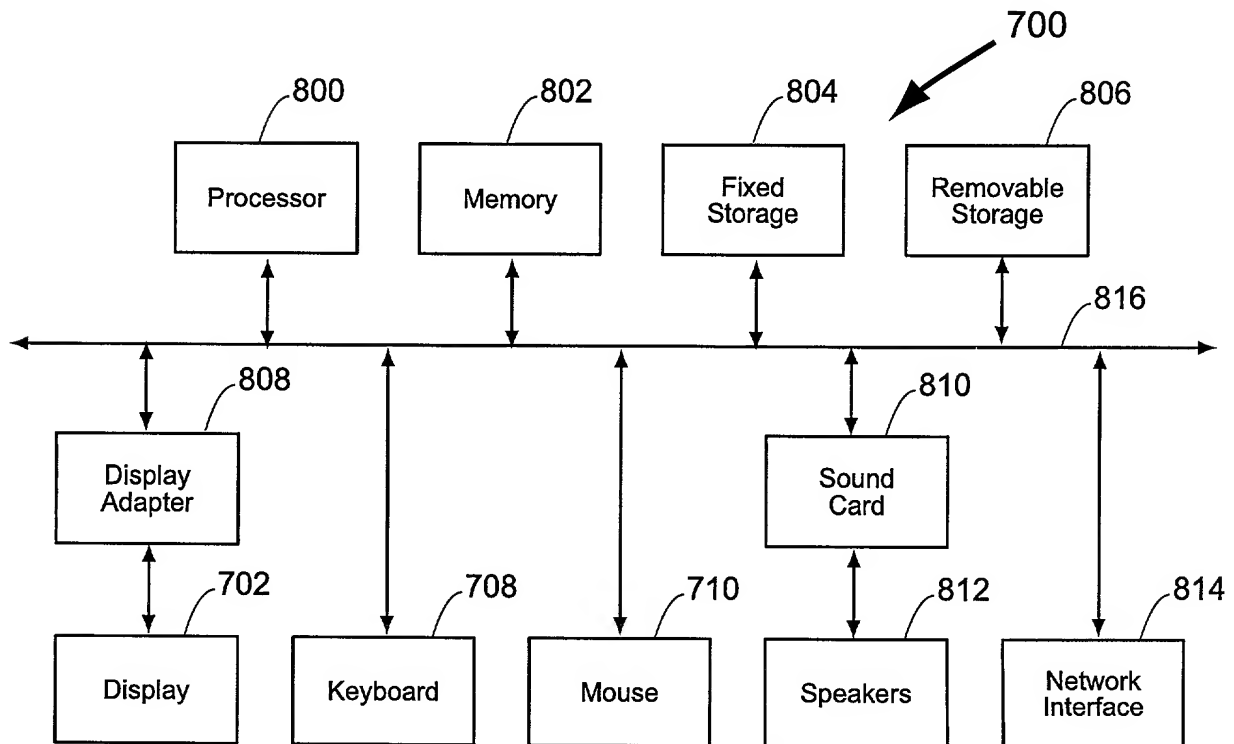


Fig. 8

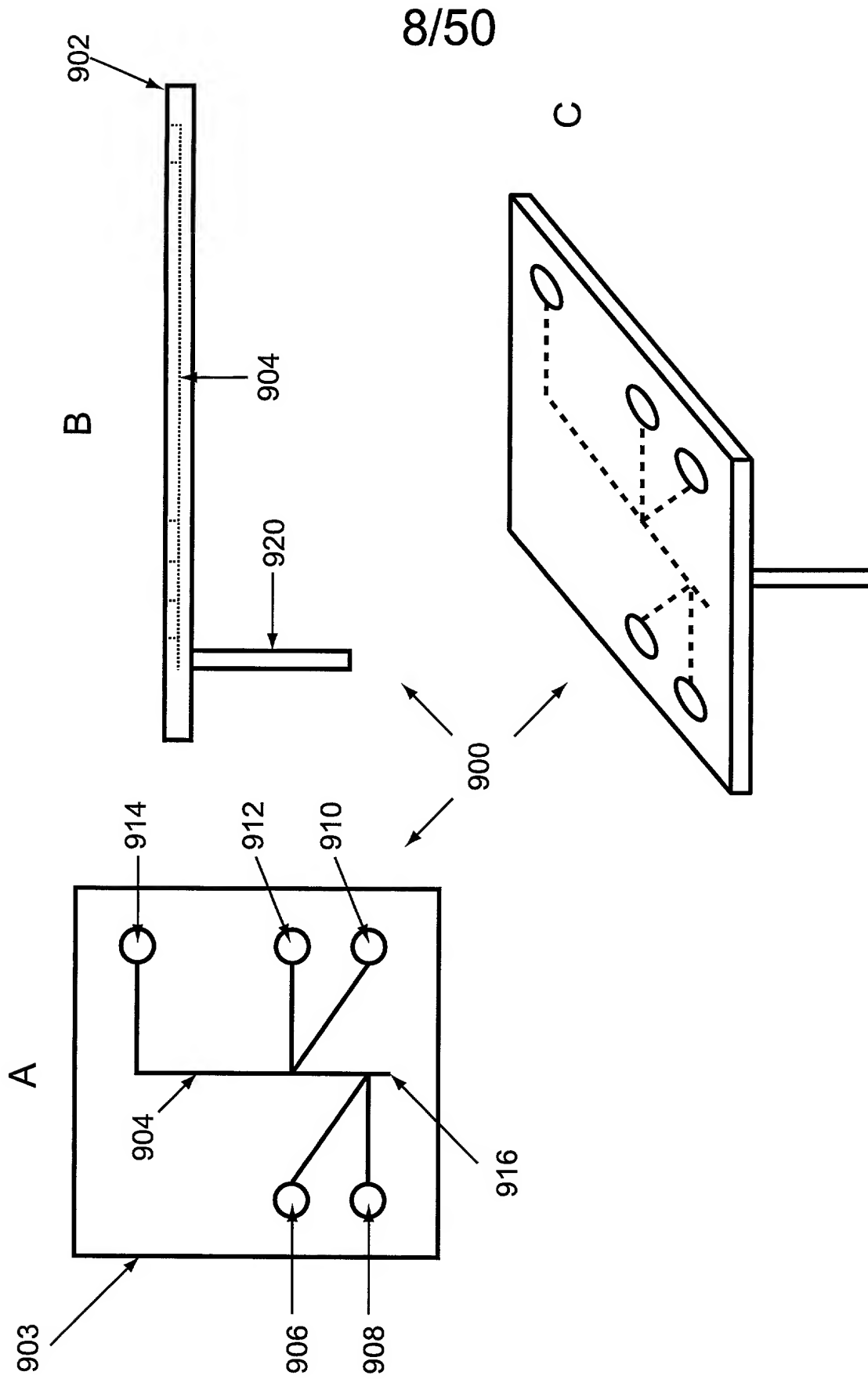


Fig. 9

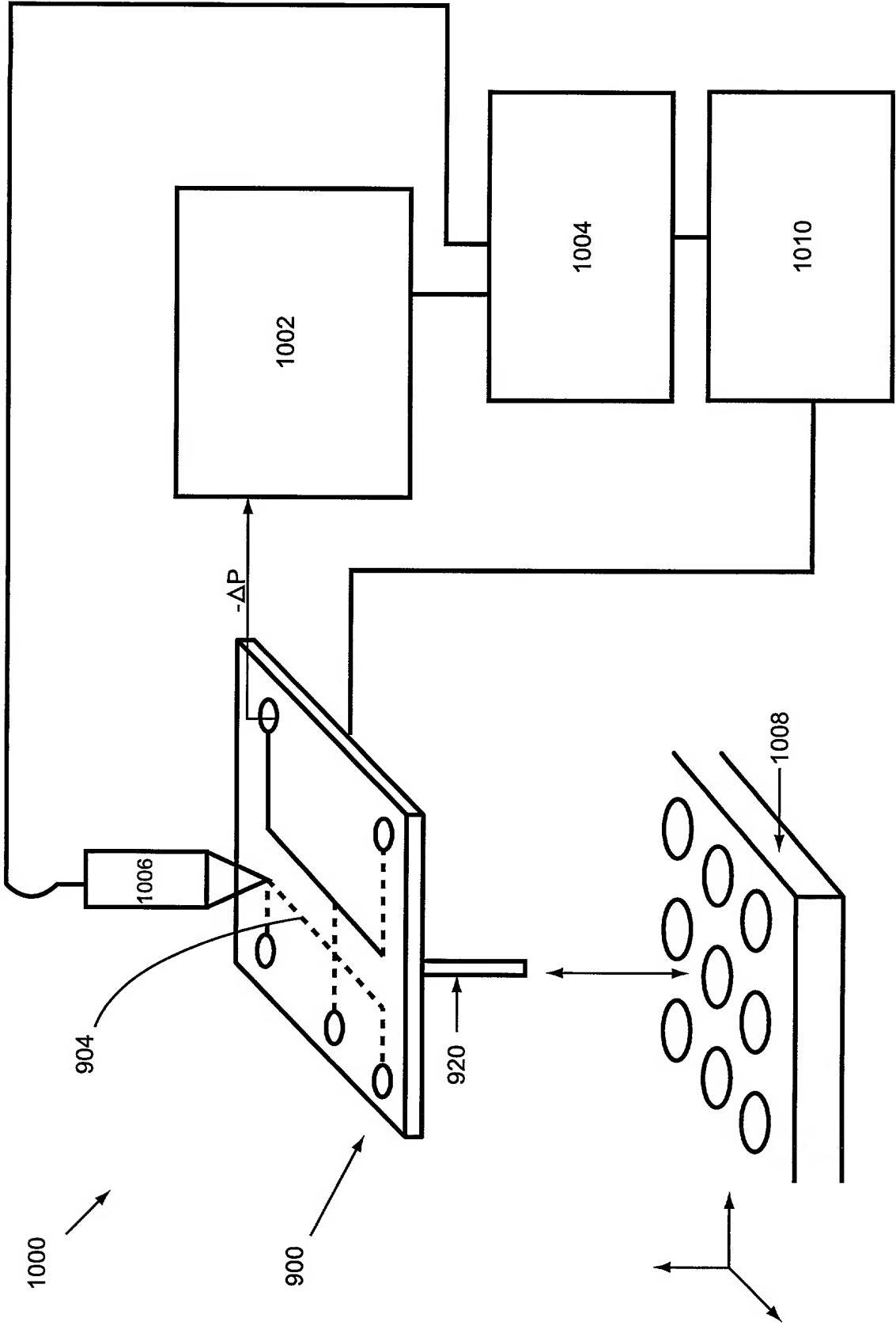


Fig. 10

10/50

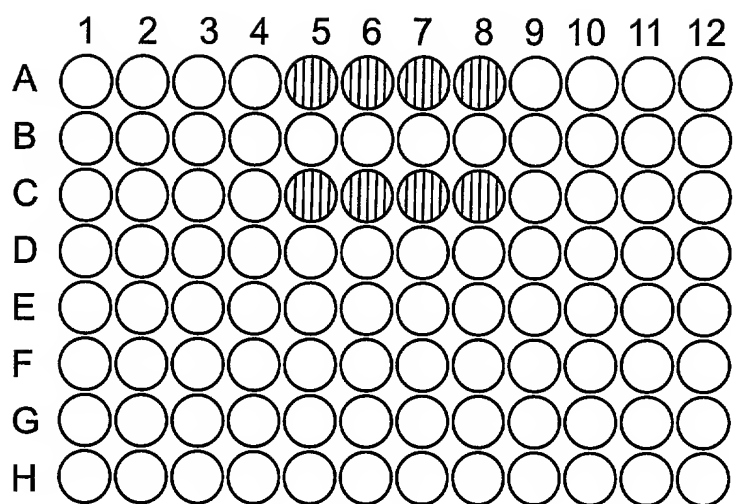


Fig. 11A

11/50

100234100

- Dwell Pattern -

Name:

Row A: 5,6

Fig. 11B

12/50

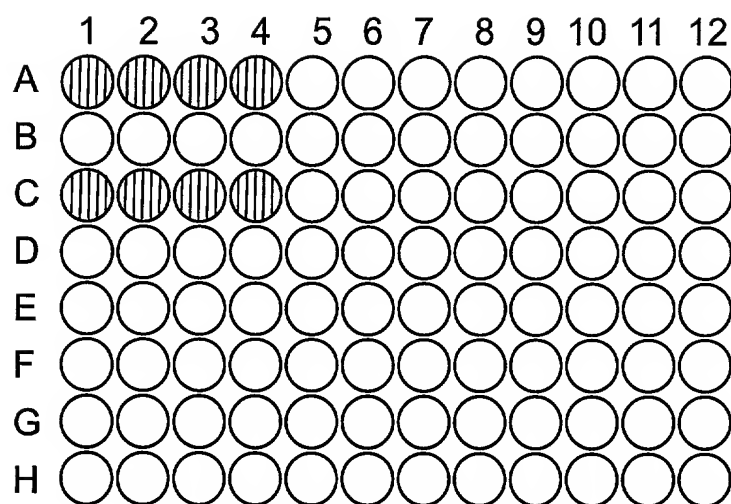


Fig. 11C

Dwell Pattern	
Name:	FewTrough.DP4_96
Row A: 1,2	

Fig. 11D

14/50

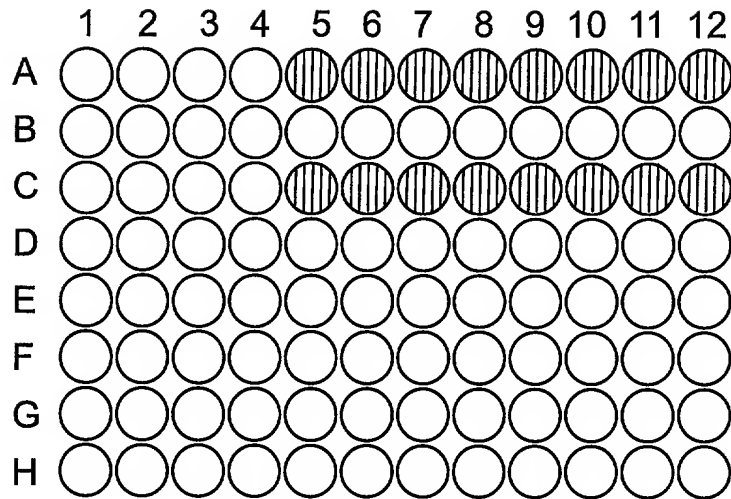


Fig. 11E

- Dwell Pattern -	
Name:	SeveralNoTrough.DP4_96
Row A: 5,6,9,10	

Fig. 11F

16/50

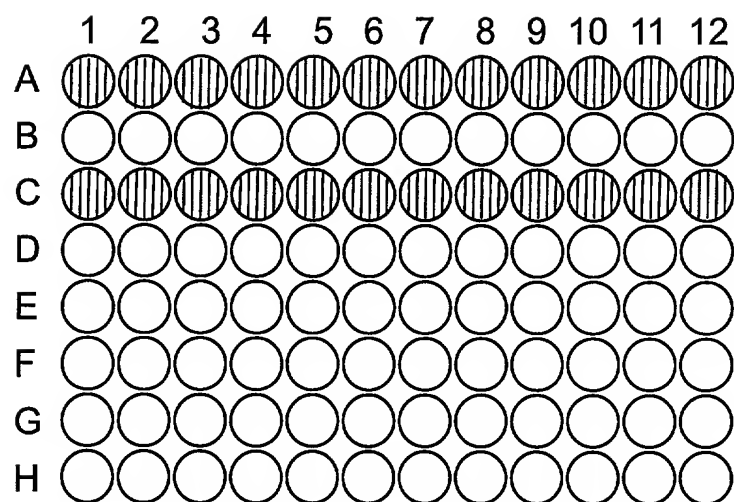


Fig. 11G

Dwell Pattern	
Name:	SeveralTrough.DP4_96
Row A: 1,2,5,6,9,10	

Fig. 11H

18/50

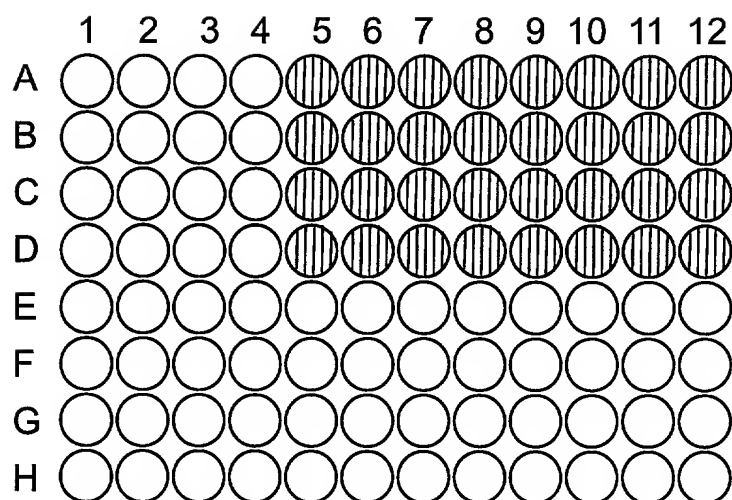


Fig. 11I

Dwell Pattern	
Name:	HalfNoTrough.DP4_96
Row A:	5,6,9,10
Row B:	5,6,9,10

Fig. 11J

20/50

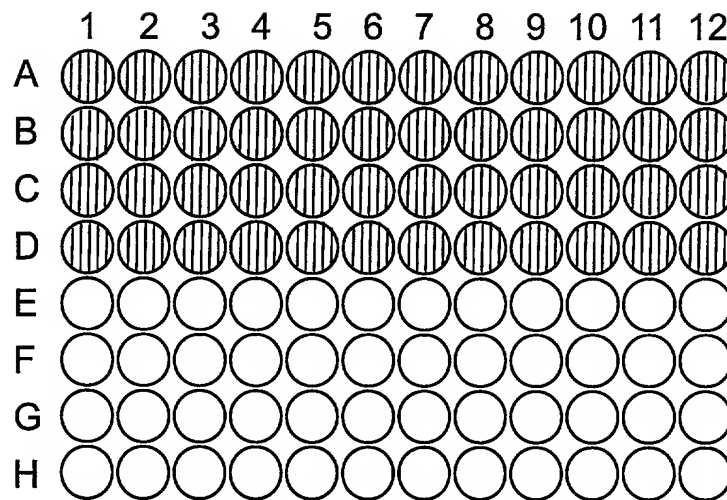


Fig. 11K

- Dwell Pattern -

Name:

Row A: 1,2,5,6,9,10
Row B: 1,2,5,6,9,10

Fig. 11L

1002494-3001

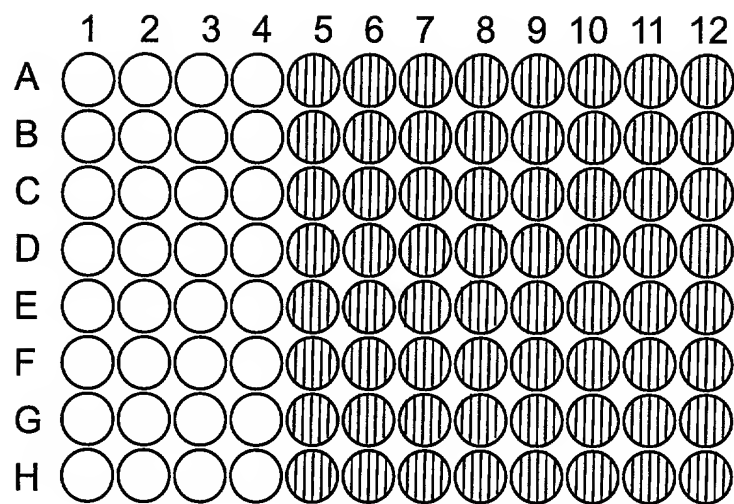


Fig. 11M

Dwell Pattern	
Name:	FullNoTrough.DP4_96
Row A:	5,6,9,10
Row B:	5,6,9,10
Row E:	5,6,9,10
Row F:	5,6,9,10

Fig. 11N

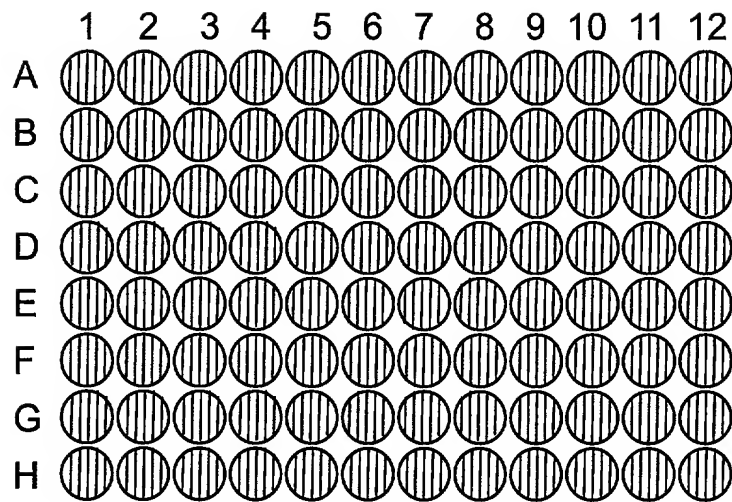


Fig. 11O

Dwell Pattern

Name: FullTrough.DP4_96

Row A: 1,2,5,6,9,10
Row B: 1,2,5,6,9,10
Row E: 1,2,5,6,9,10
Row F: 1,2,5,6,9,10

Fig. 11P

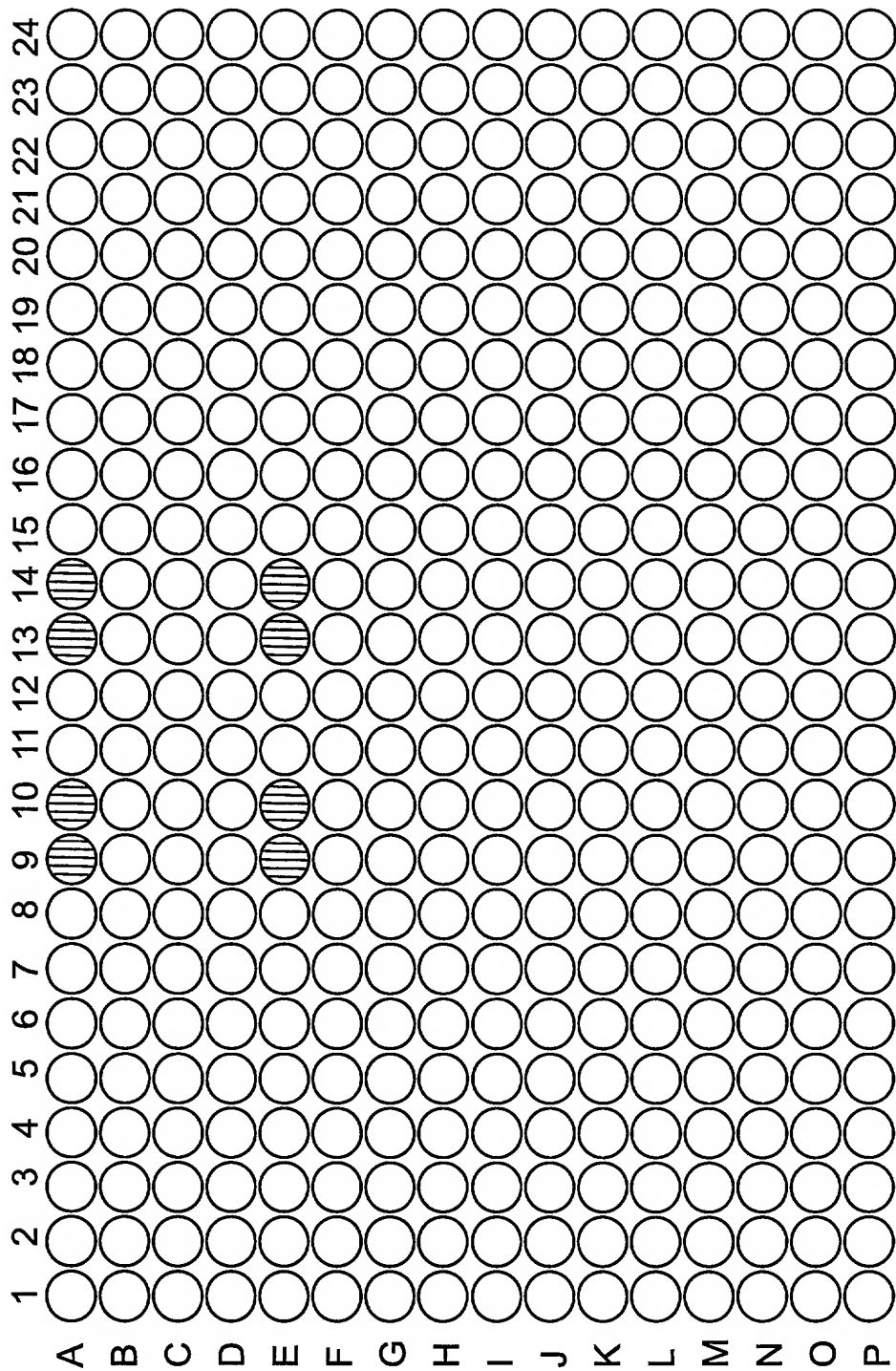


Fig. 12A

Sipper Options [X]

General Directories **Sample Wells** Advanced

Dwell Pattern

Name:

Fig. 12B

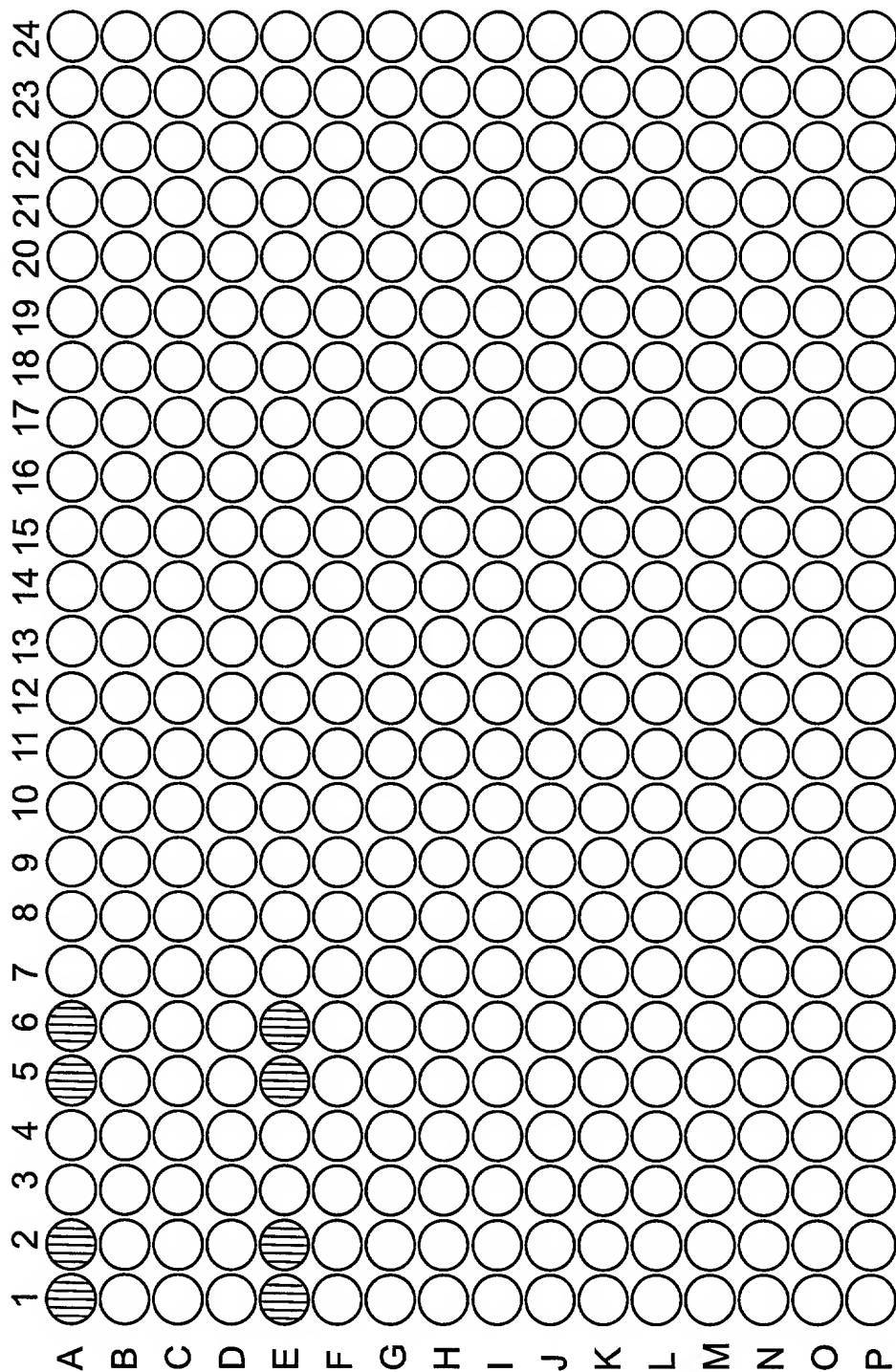


Fig. 12C

Sipper Options [X]

General Directories **Sample Wells** Advanced

Dwell Pattern

Name:

Fig. 12D

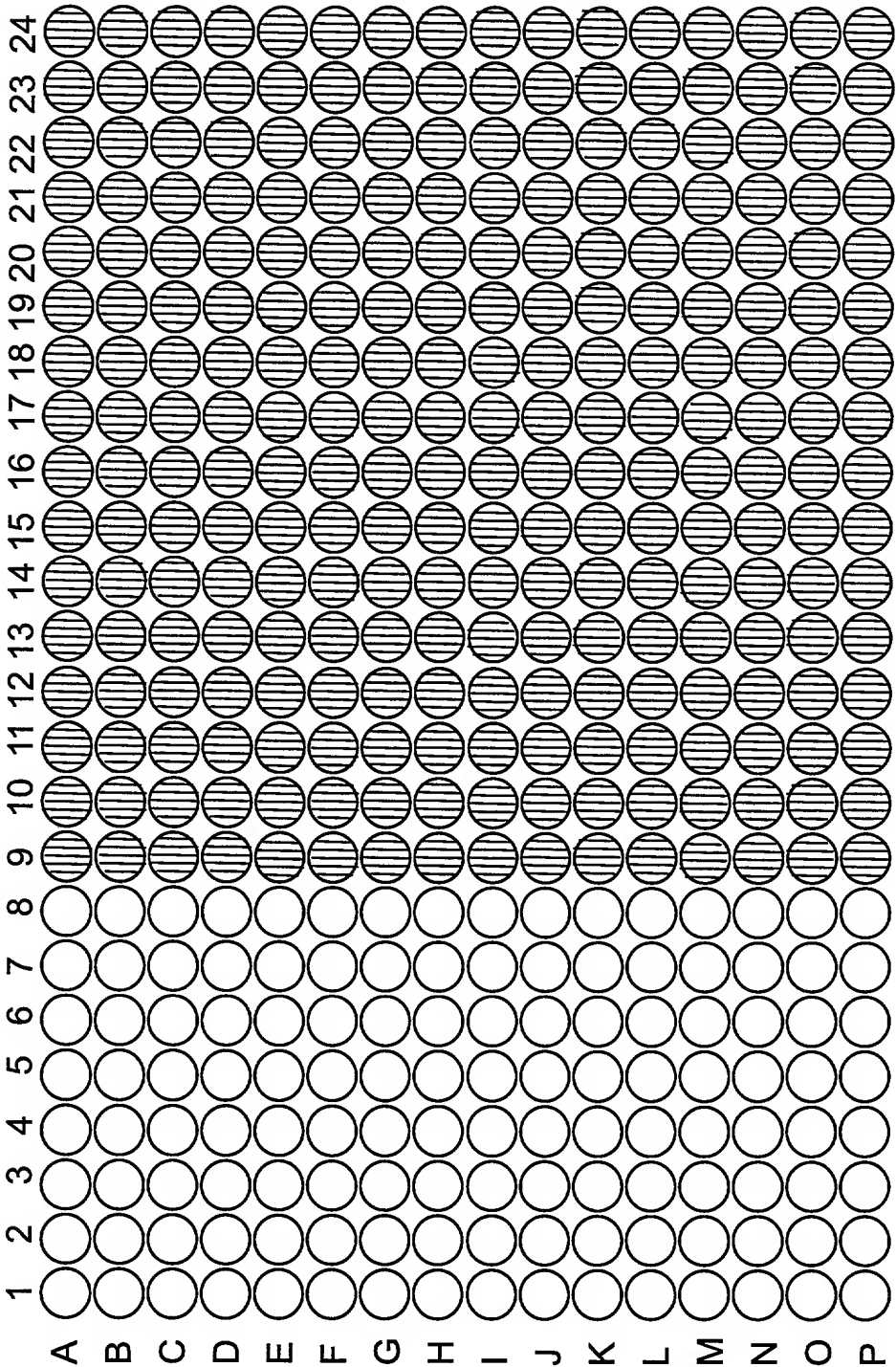


Fig. 12E

Sipper Options [X]

General Directories **Sample Wells** Advanced

Dwell Pattern

Name:

Row A:	9,10,11,12,17,18,19,20	<input type="button" value="Load"/> <input type="button" value="Save As"/>
Row B:	9,10,11,12,17,18,19,20	
Row C:	9,10,11,12,17,18,19,20	
Row D:	9,10,11,12,17,18,19,20	
Row I:	9,10,11,12,17,18,19,20	
Row J:	9,10,11,12,17,18,19,20	
Row K:	9,10,11,12,17,18,19,20	
Row L:	9,10,11,12,17,18,19,20	

Fig. 12F

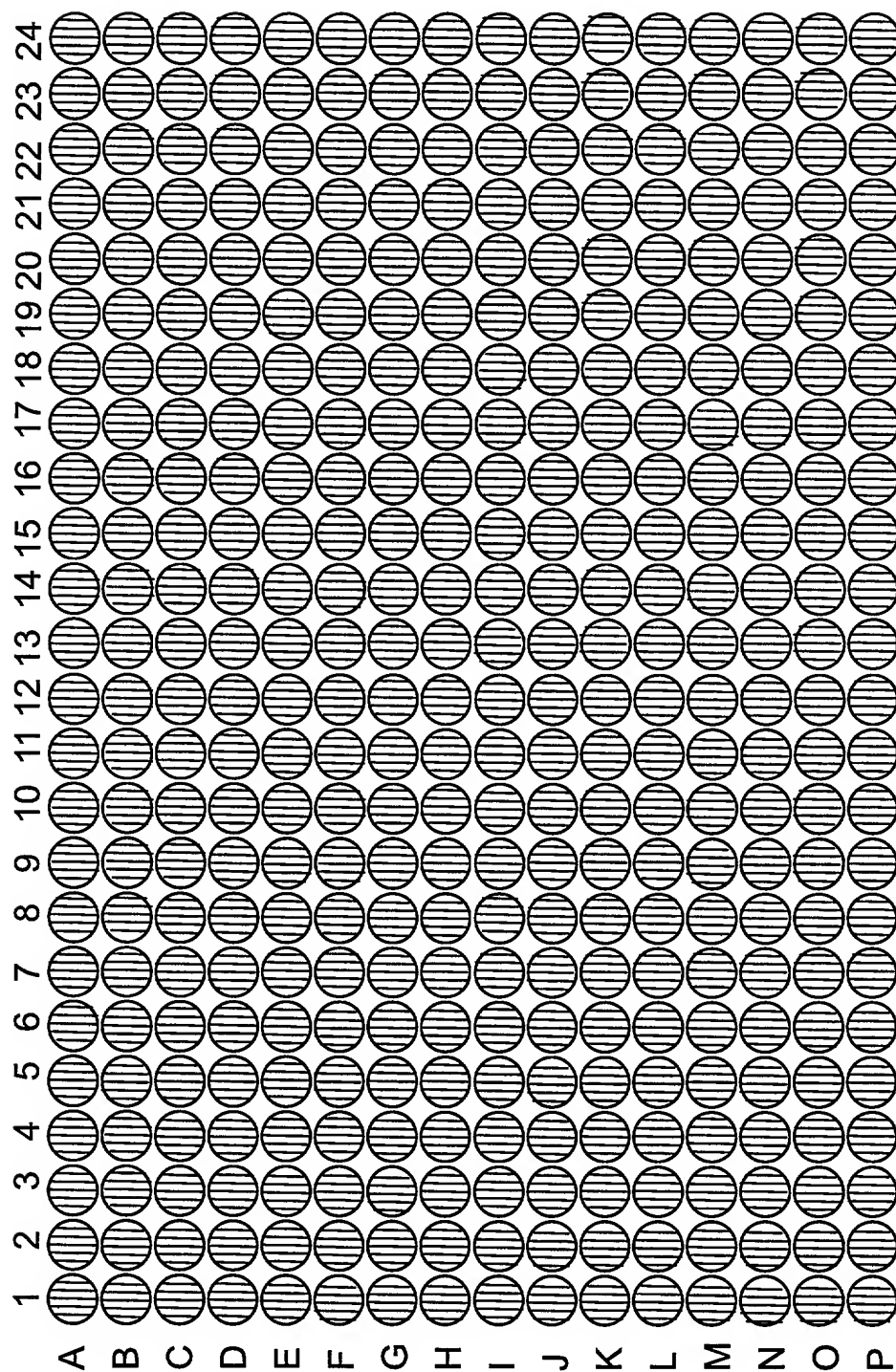


Fig. 12G

Sipper Options [X]

General Directories **Sample Wells** Advanced

Dwell Pattern

Name: FullTrough.DP4_384

Row A: 1,2,3,4,9,10,11,12,17,18,19,20
Row B: 1,2,3,4,9,10,11,12,17,18,19,20
Row C: 1,2,3,4,9,10,11,12,17,18,19,20
Row D: 1,2,3,4,9,10,11,12,17,18,19,20
Row I: 1,2,3,4,9,10,11,12,17,18,19,20
Row J: 1,2,3,4,9,10,11,12,17,18,19,20
Row K: 1,2,3,4,9,10,11,12,17,18,19,20
Row L: 1,2,3,4,9,10,11,12,17,18,19,20

New
Load
Save As

Fig. 12H

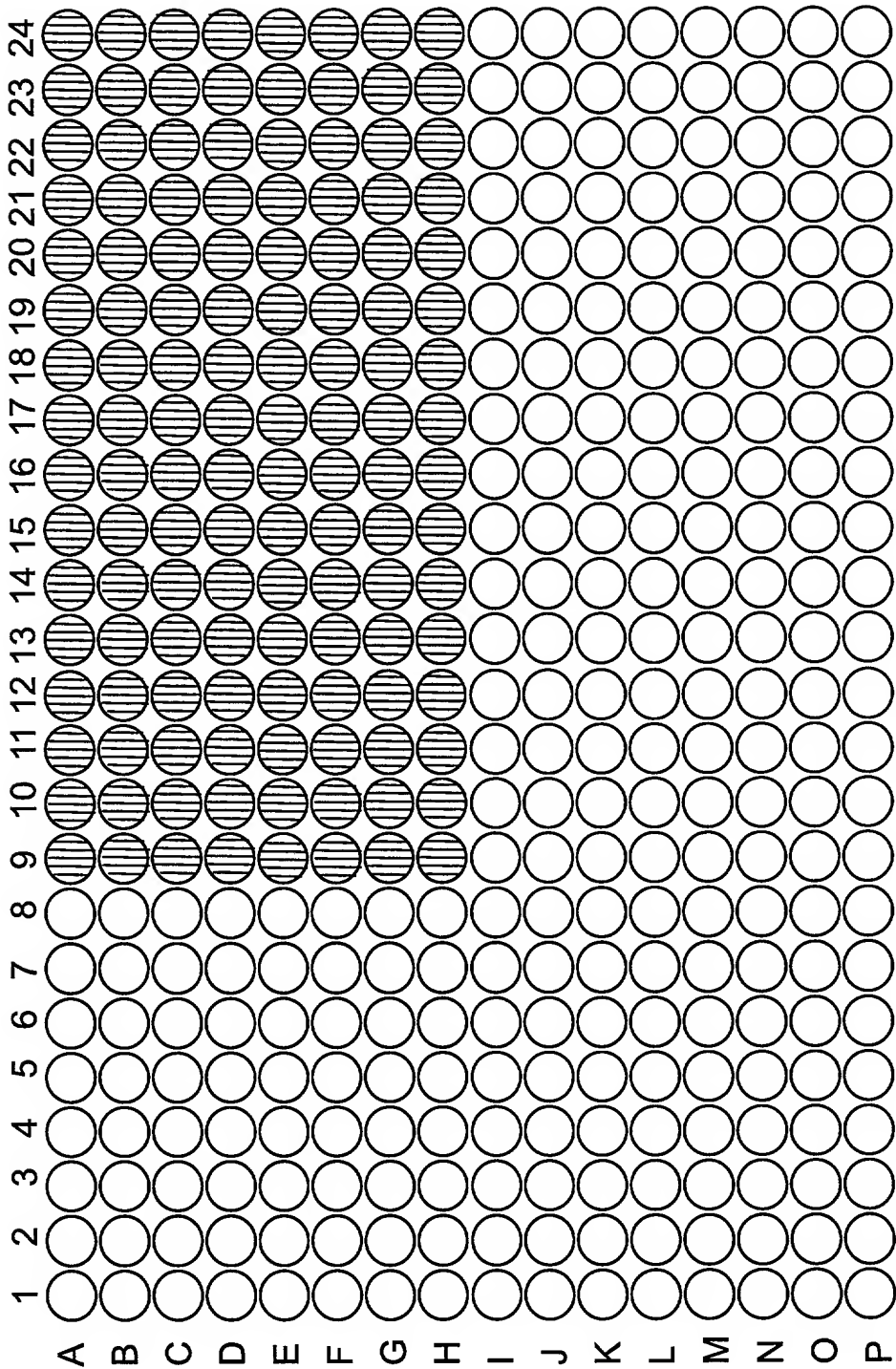


Fig. 12I

Sipper Options [X]

General Directories **Sample Wells** Advanced

Dwell Pattern

Name:

Row A: 9,10,11,12,17,18,19,20
Row B: 9,10,11,12,17,18,19,20
Row C: 9,10,11,12,17,18,19,20
Row D: 9,10,11,12,17,18,19,20

Fig. 12J

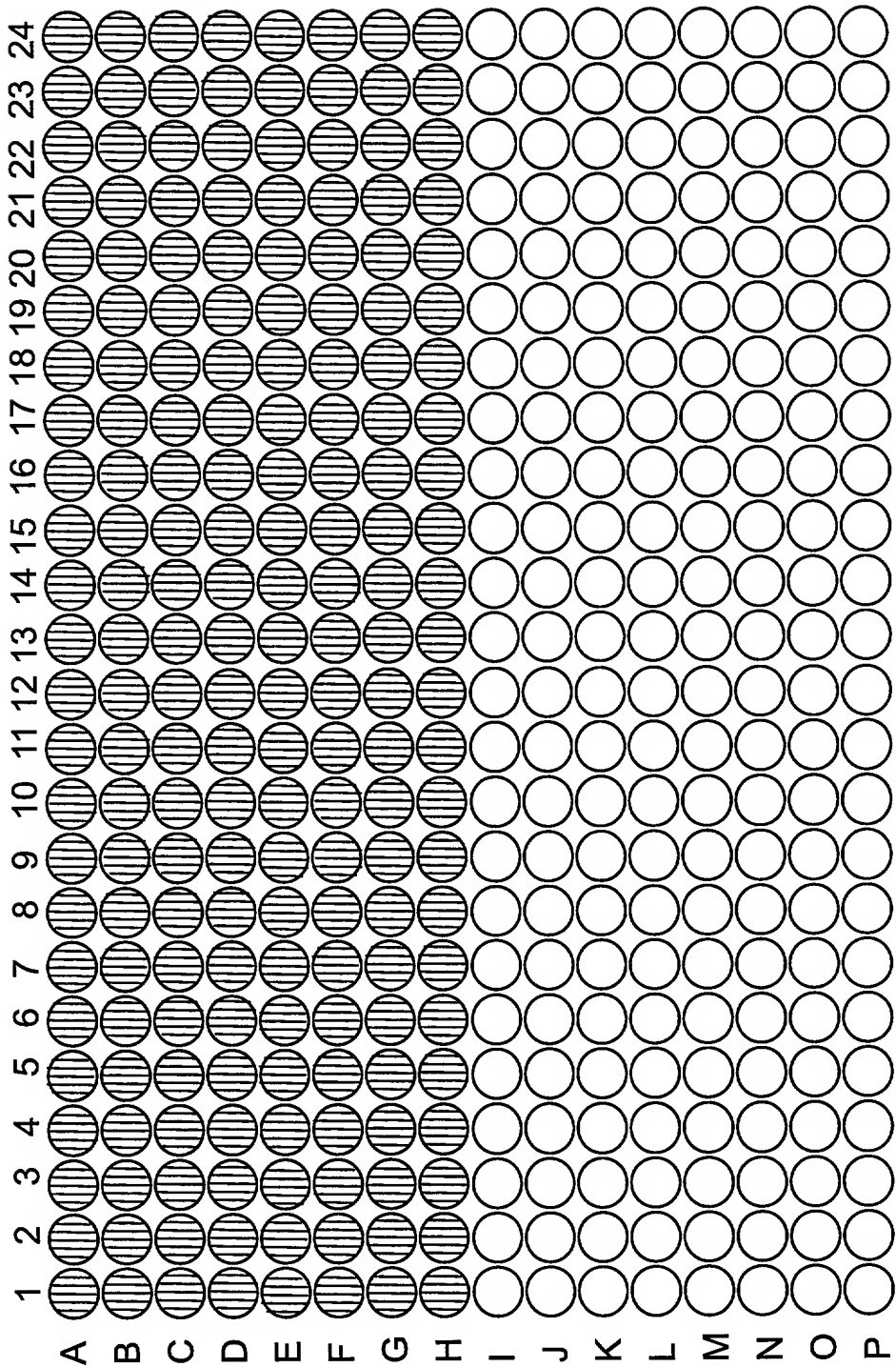


Fig. 12K

Sipper Options [X]

General Directories **Sample Wells** Advanced

Dwell Pattern

Name:

Row A: 1,2,3,4,9,10,11,12,17,18,19,20
Row B: 1,2,3,4,9,10,11,12,17,18,19,20
Row C: 1,2,3,4,9,10,11,12,17,18,19,20
Row D: 1,2,3,4,9,10,11,12,17,18,19,20

Fig. 12L

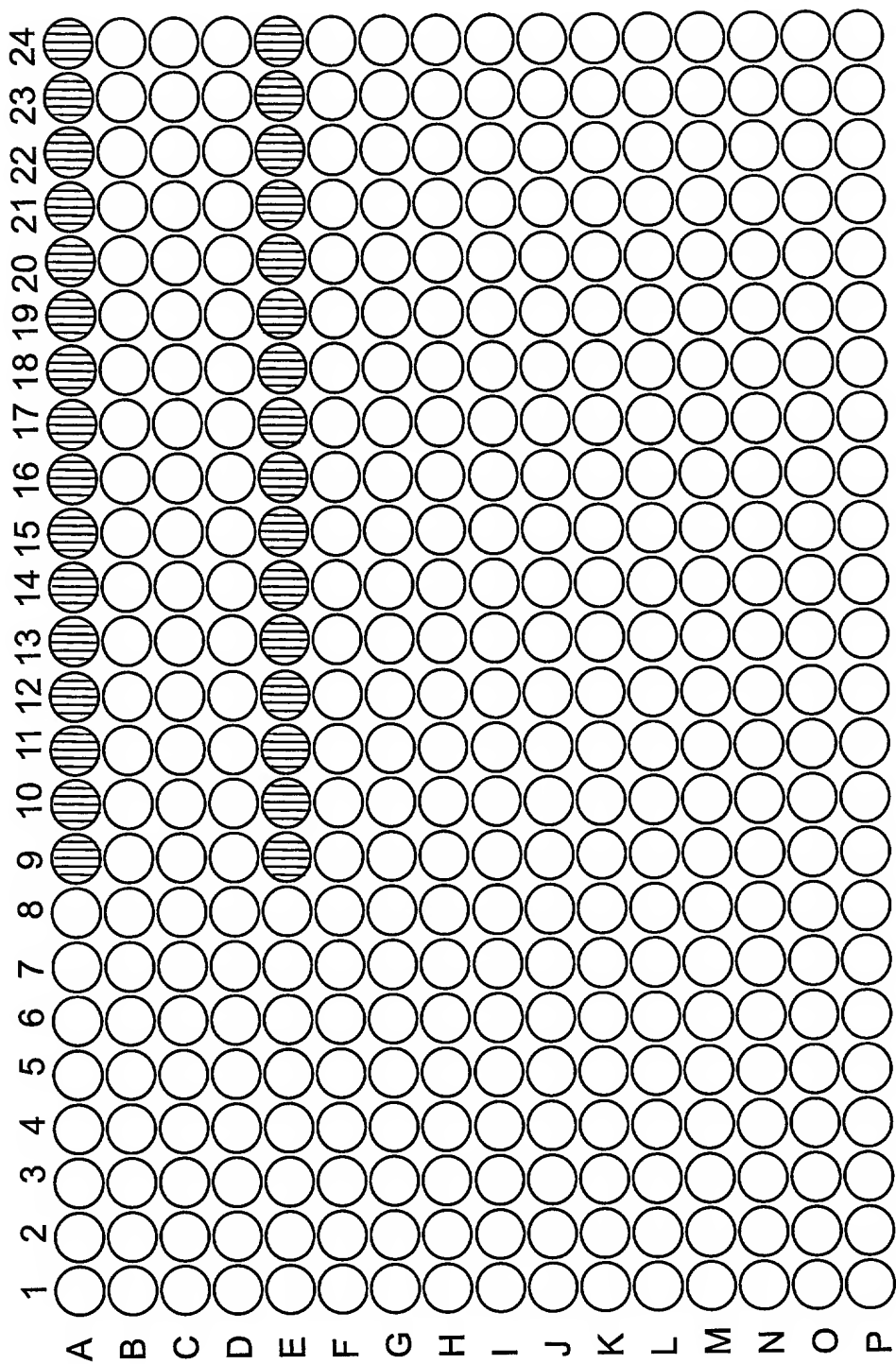


Fig. 12M

Sipper Options [X]

General Directories Sample Wells Advanced

Dwell Pattern

Name: SeveralNoTrough.DP4_384

Row A: 9,10,11,12,17,18,19,20

New

Load

Save As

Fig. 12N

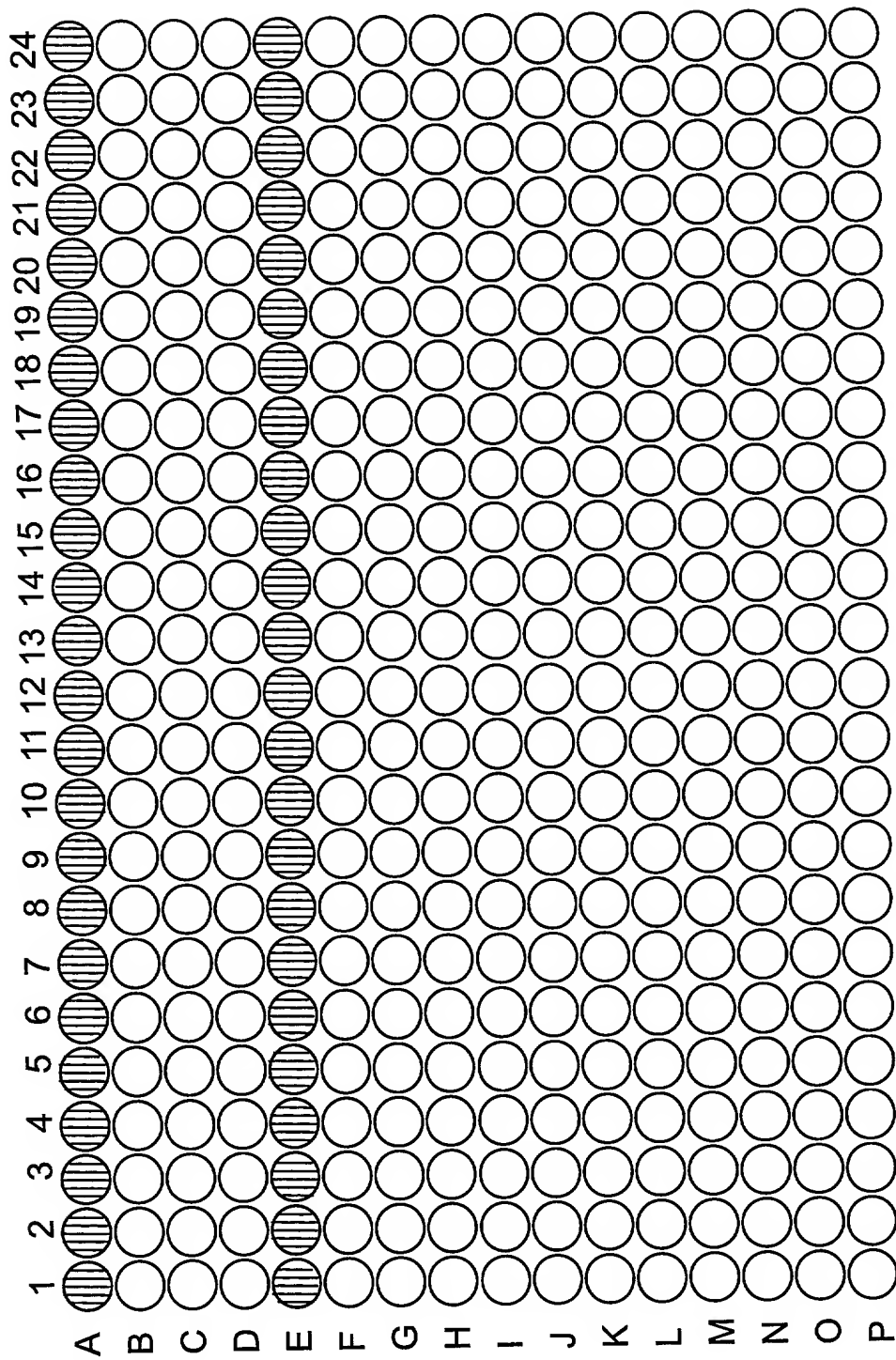


Fig. 120

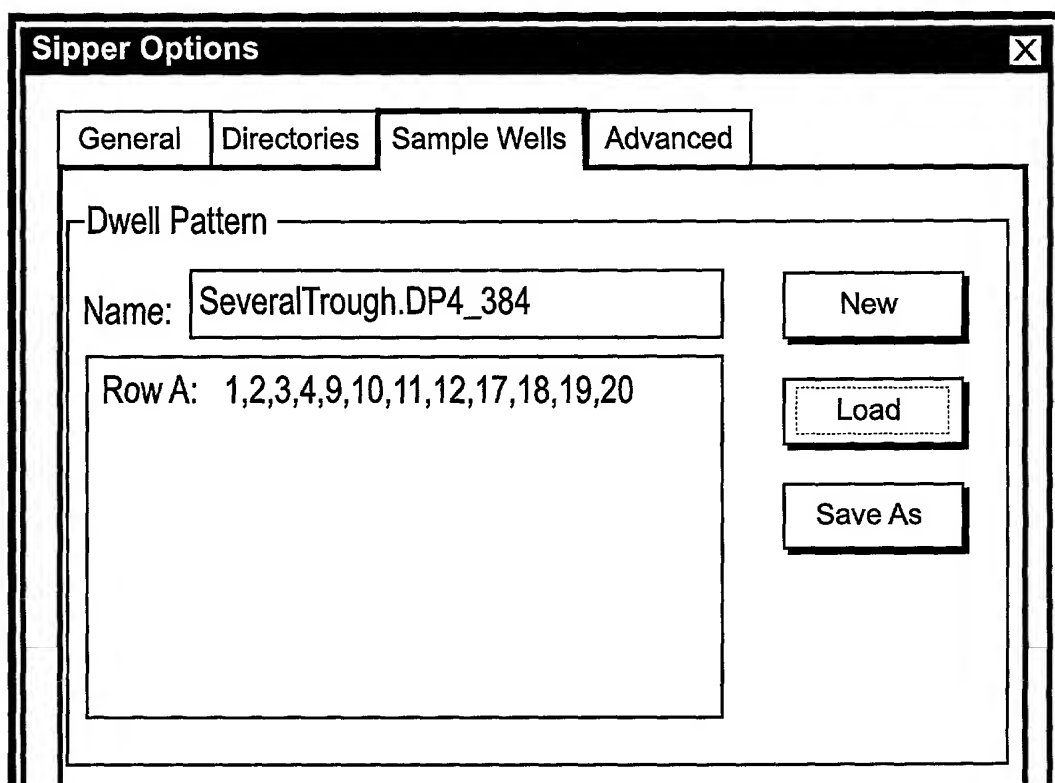


Fig. 12P

Downloaded from www.scribd.com

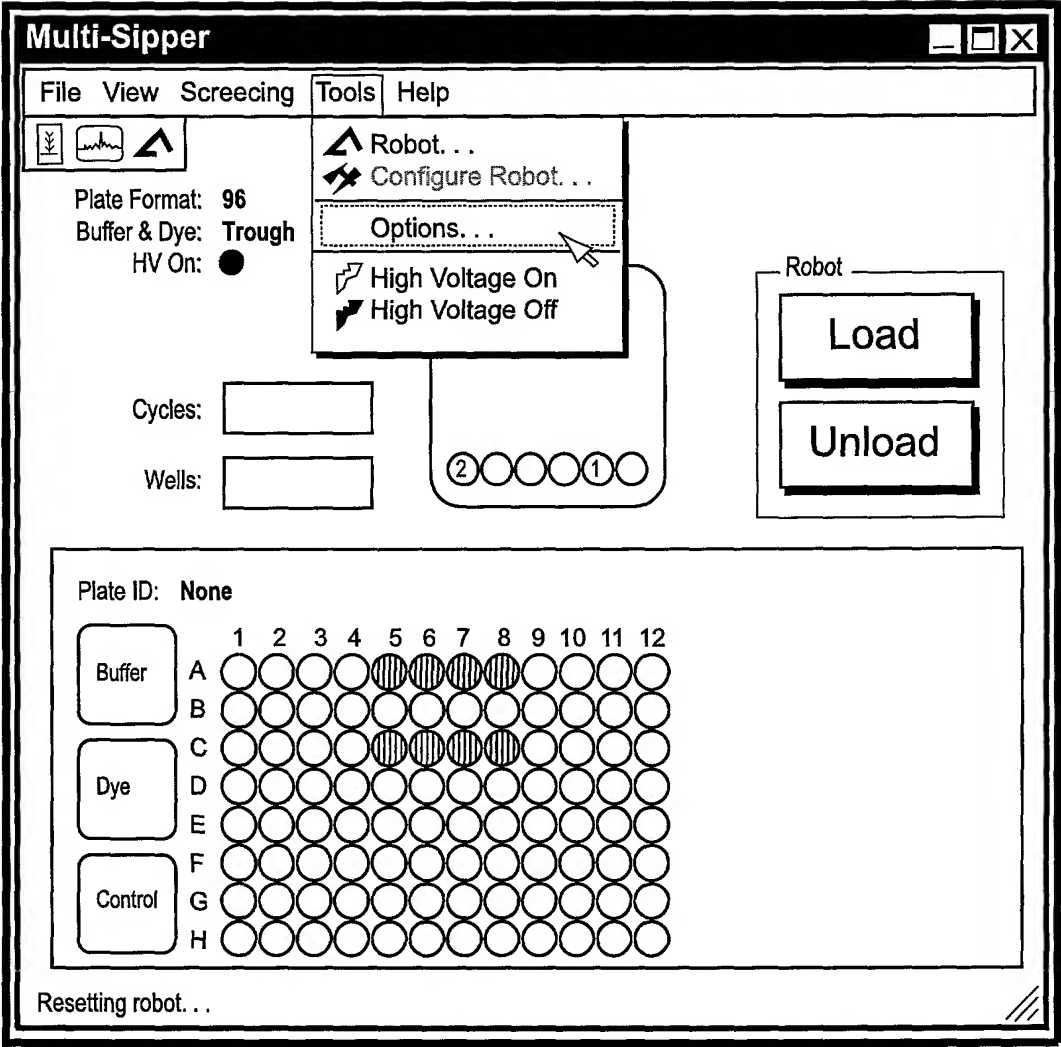


Fig. 13A

Sipper Options [X]

Directories | Sample Wells | **Robot Settings**

☒ Pickup plate before starting robot motion

Plate format:

Chip Format: ▼

Fig. 13B

Sipper Options [X]

Directories | **Sample Wells** | Robot Settings

☒ Use 1 rough for Butter and Dye Wells

Dwell Pattern

Name: FullTrough.DP4_384 [New]

[Load]

[Save As]

Row A: 1,2,3,4,9,10,11,12,17,18,19,20
Row B: 1,2,3,4,9,10,11,12,17,18,19,20
Row C: 1,2,3,4,9,10,11,12,17,18,19,20
Row D: 1,2,3,4,9,10,11,12,17,18,19,20
Row I: 1,2,3,4,9,10,11,12,17,18,19,20
Row J: 1,2,3,4,9,10,11,12,17,18,19,20
Row K: 1,2,3,4,9,10,11,12,17,18,19,20
Row L: 1,2,3,4,9,10,11,12,17,18,19,20

☒ Control Wells On Plate

Sipper 3: A1 Sipper 4: A3
Sipper 2: C1 Sipper 1: C3

[OK] [Cancel]

Fig. 13C

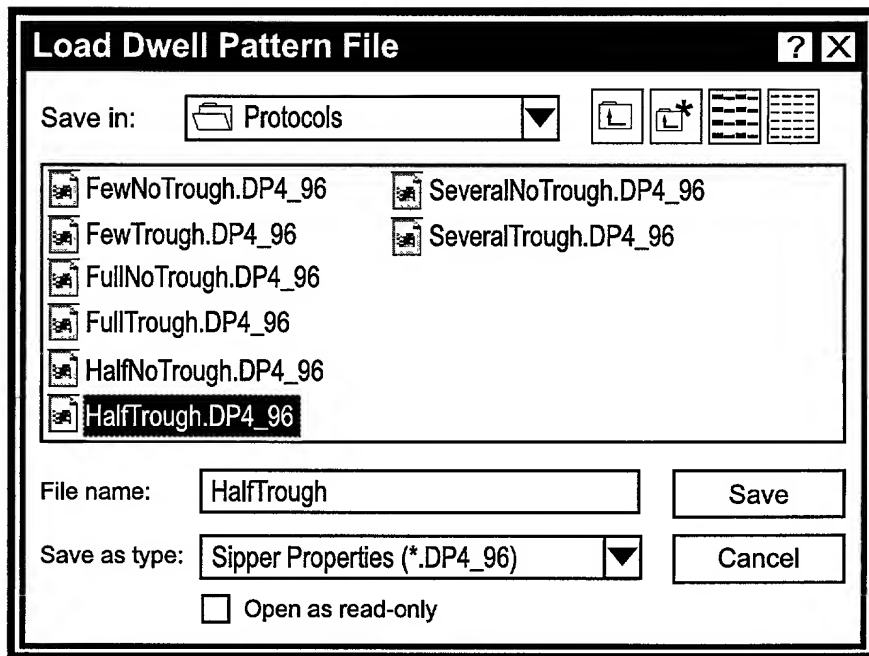


Fig. 13D

Sipper Options [X]

Directories **Sample Wells** Robot Settings

Dwell Pattern

Name:

Row A: 1,2,5,6,9,10
Row B: 1,2,5,6,9,10

Control Wells

☐ Control Wells On Plate

Sipper 3: Sipper 4:

Sipper 2: Sipper 1:

Fig. 13E

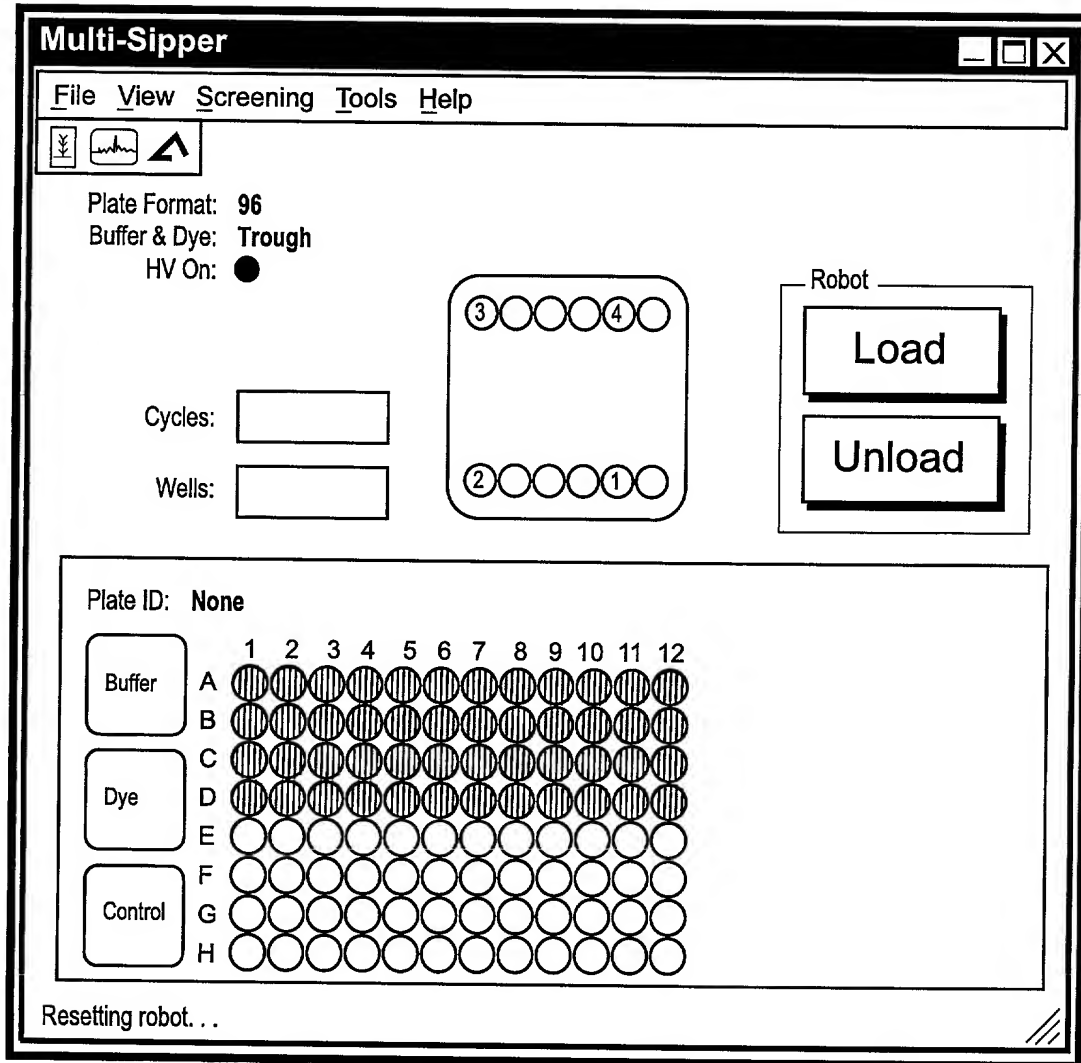


Fig. 13F

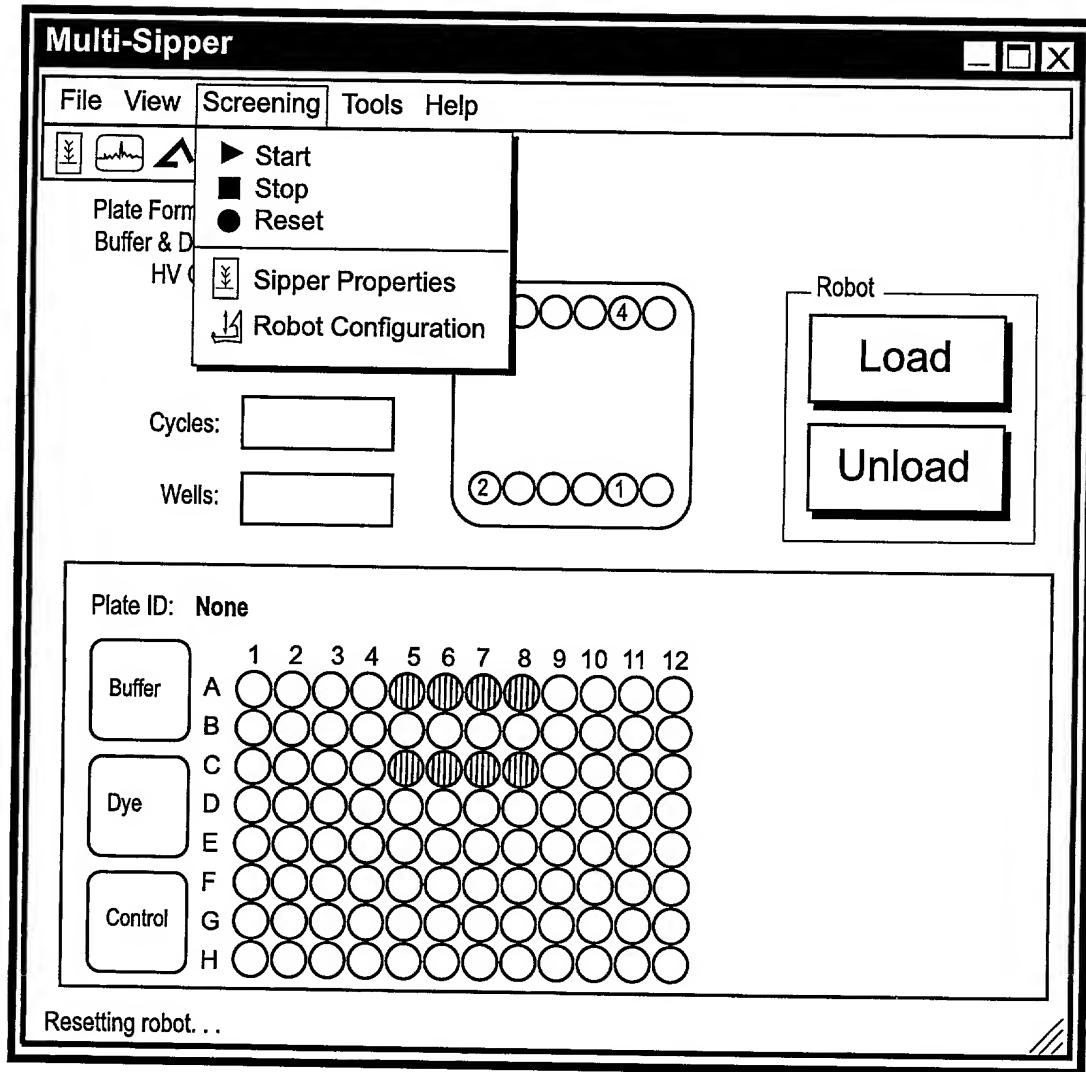


Fig. 14A

49/50

Sipper Property - Default Sipper Properties [X]

Initial Delay secs

Buffer secs

Sample secs

☒ Dye Well

Dye secs

Injections pre/post plate

☐ Single dye injection between rows

☒ Pressure Driven Flow

Pressure PSI

Base Pressure PSI

☒ Control Well On Trough

Pre Control Buffer secs

Control secs

Post Control Buffer secs

Sample Well Cycles

Final Delay secs

New

Load

Save As

OK

Cancel

Fig. 14B

10021394-121001

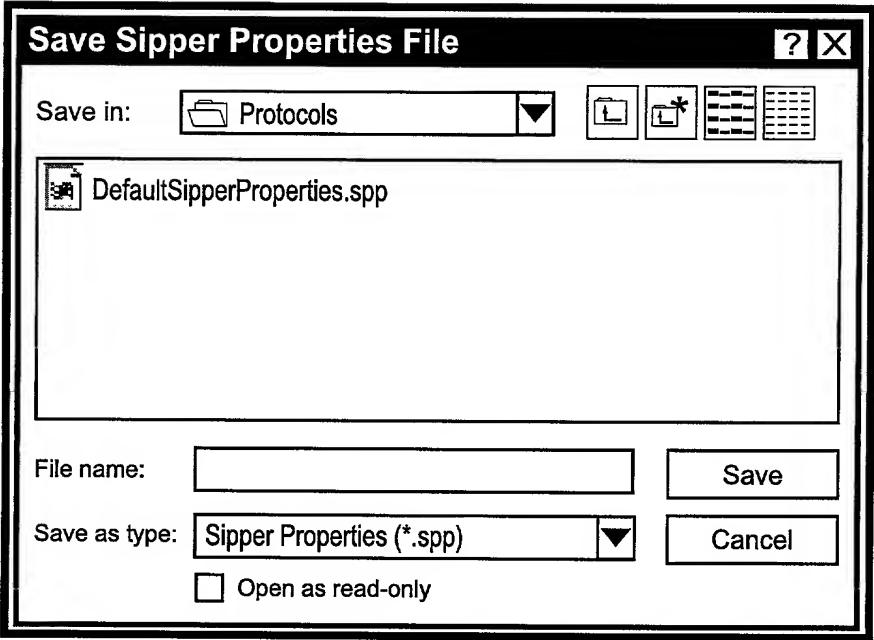


Fig. 14C